



User Manual

ATLONA

HDMI TO HDMI UP/DOWN CONVERTER AND SCALER AT-HD550



TABLE OF CONTENTS

1. Introduction	.....	3
2. Applications	.....	3
3. Package Contents	.....	3
4. System Requirements	.....	3
5. Features	.....	3
6. Specification	.....	4
7. Hardware Description	.....	4
7.1. Front Panel	.....	4
7.2. Rear Panel	.....	4
7.3. Top Panel	.....	5
8. Connection Diagram	.....	5
9. Safety Information	.....	6
10. Warranty	.....	7
11. Atlona Product Registration	.....	8

INTRODUCTION

The Atlona AT-HD550 is HDMI up/down converter/scaler is designed to allow user match the native resolution of the display. HD550 is mainly designed to be used in conjunction with HDMI Matrix Switchers, HDMI Distribution Amplifiers, etc... as some displays within the installation might not support as high of a resolution as other displays and in order to keep high resolution to the displays that can accept it, the HD550 needs to be attached to the displays that can't do it in order to down convert to an acceptable resolution. The supported output resolutions are 1280x800, 1366x768, 1920x1200 and 720p/1080p. The AT-HD550 will accept all incoming resolutions from 640x480 to 1920x1200 and 480p to 1080p. This unit allows the user to change the resolution of their video signal with a variety of output resolutions and adjust for the best picture quality.

APPLICATIONS:

- Retail store demo room set-up
- Home video sources displaying on a HDTV
- Low resolution content video or images displaying on a HDTV
- Situations where the incoming video signal needs to match the native resolution of the display

PACKAGE CONTENTS:

- HDMI to HDMI scaler box
- 5V DC power adaptor (universal)
- Operation Manual

SYSTEM REQUIREMENTS:

Input source equipment and output HD display with HDMI connection cables.

FEATURES:

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant
- HDCP compliant
- Supports HDMI v1.3 with up to 36-bit deep color mode
- Support HD resolution input: 640x480 ~ 1920x1200 480p@60, 720p@60, 1080p@60
- Support HD resolution output: 1280x800, 1366x768, 1920x1200, 720p, 1080p
- Auto -Detection and Hot plug
- Interlaced to progressive conversion with various picture display supplement

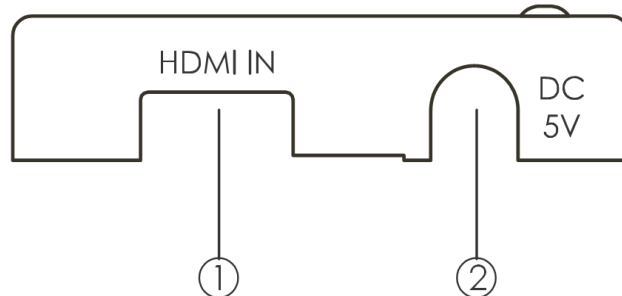
SPECIFICATIONS:

Frequency Bandwidth	2.25Mbps
Input Port	1 x HDMI
Output Port	1 x HDMI
Dimensions (in.)	4.49" (W) x 2.44" (D) x 1.02" (H)
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Weight (lb)	0.5
Chassis Material	Plastic
Silkscreen Color	Black
Power Consumption	2.7W
Operating Temperature	0°C~40°C / 32°F~104°F
Storage Temperature	- 20°C~60°C / -4°F~140°F
Relative Humidity	20~90% RH (non-condensing)

HARDWARE DESCRIPTION

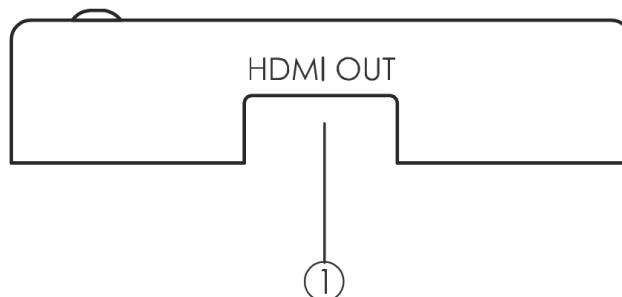
The following sections describe the hardware components of the unit.

7.1. Front Panel



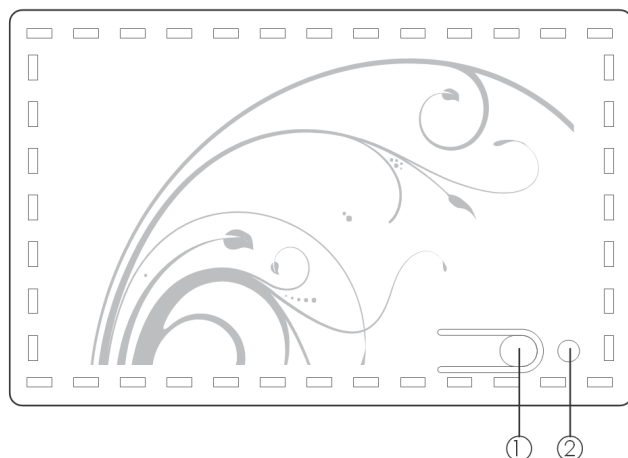
1. HDMI IN: This slot is where you plug your input source equipment with a HDMI cable for sending the signal source.
2. DC 5V: This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC wall outlet.

7.2. Rear Panel



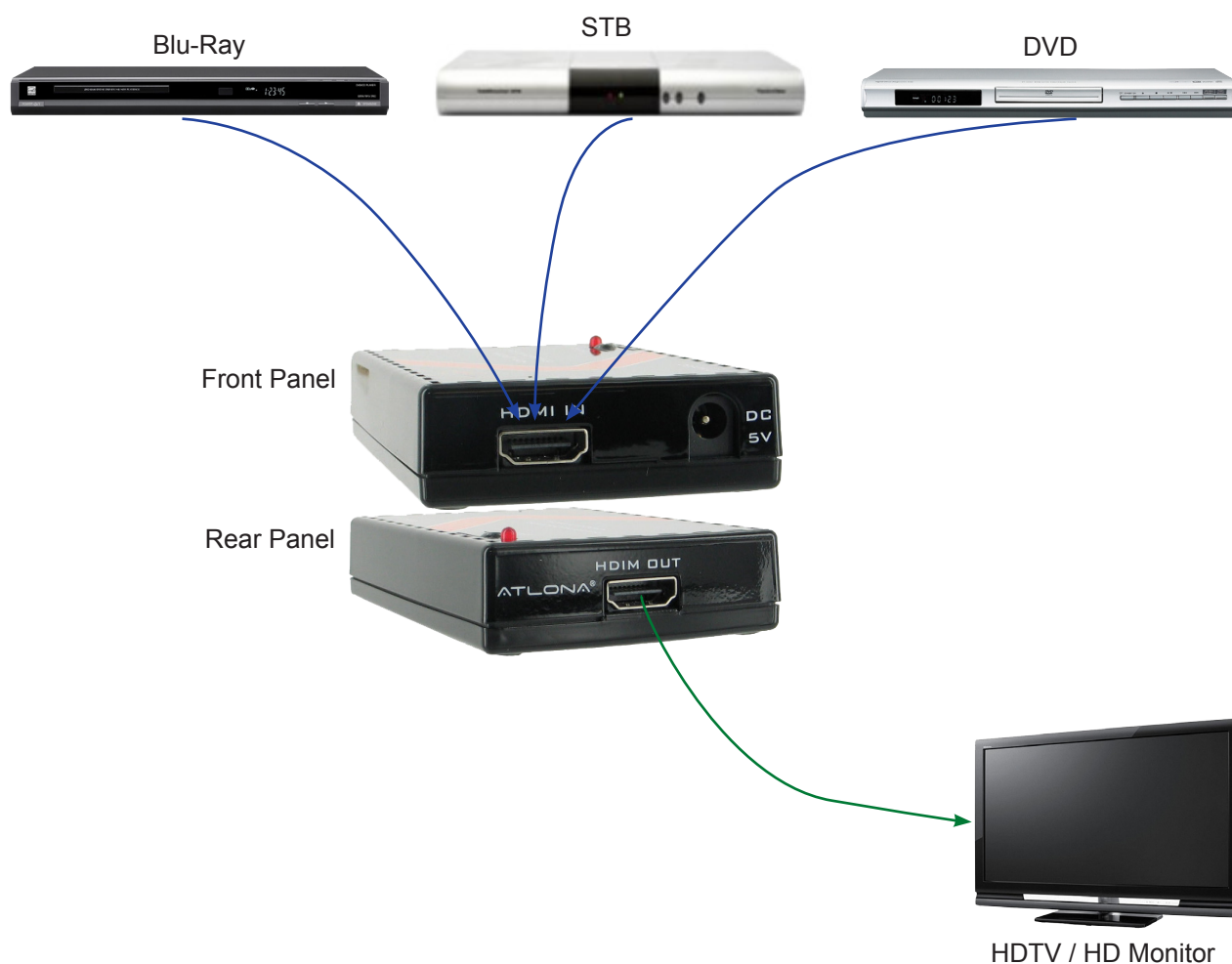
1. HDMI OUT: This slot is where you connect to a HDTV display with a HDMI cable for source signal display.

7.3. Top Panel



1. Timing button: Press this button once to show both input and output display resolution and while the OSD is still on the screen press it again to select output resolution from 1280x800, 1366x768, 1920x1200, 720p, 1080p
2. Power LED: This LED will illuminate when power is connected.

CONNECTION DIAGRAM



SAFETY INFORMATION

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug. Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.

In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.

Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD550. Opening the product will void the warranty.

Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.

1. LIMITED WARRANTY

Atlona Technologies warrants that (a) its products (the "Product") will perform substantially in accordance with the accompanying written materials for a period of 3 YEARS from the date of receipt and (b) that the Product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to Customer.

2. CUSTOMER REMEDIES

Atlona Technologies and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer's receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

3. NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ATLONA TECHNOLOGIES AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCT AND ANY RELATED WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES CUSTOMER SPECIFIC LEGAL RIGHTS. CUSTOMER MAY HAVE OTHER RIGHTS DEPENDING ON THE JURISDICTION.

4. NO LIABILITY FOR DAMAGES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL ATLONA TECHNOLOGIES OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES FOR PERSONAL INJURY, LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PRODUCT, EVEN IF ATLONA TECHNOLOGIES HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN ANY CASE, ATLONA TECHNOLOGIES' AND ITS SUPPLIERS' ENTIRE LIABILITY UNDER ANY PROVISION OF THIS AGREEMENT SHALL BE LIMITED TO THE AMOUNT ACTUALLY PAID BY YOU FOR THE PRODUCT. BECAUSE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product — we hope you'll enjoy it.

We also hope that you'll take a few moments to register your new purchase. Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy and assure you that your registration information is completely secure. Of course, Atlona product registration is totally voluntary and failure to register will not diminish your limited warranty rights.

To register go to www.atlona.com/registration